

Cities of India

PAGE 1 FROM EDITION 10

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OSTROVSKII, G. P.

REF ID: A6513
[REDACTED]

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MINING -
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see ILC

OSTROVSKIY, I., inzh.-elektrik

Improve the care for the electric equipment at the grain receiving enterprises in Volgograd Province. Muk.-elev.
from. 29 no. 7:10-12 Jl '63. (MIRA 17:1)

ZGURSKIY, O.; MOREYNIS, I.; OSTROVSKIY, I.

Repeated use of water for washing trucks. Avt.transp. 34 no.5:
23 May '56.
(Motortrucks--Maintenance)

OSTROVSKIY, I.A.

Impermeability of the slate and solubility of gases.
Zhur. fiz. khim. 37 no. 4, p. 15-4; '63. (MIRA 1717)

I. Institut po gornym razvedivaniyu i izuchen'yu, petrografii,
mineralogii i geokhimii AN SSSR.

Dispersion of a phlogopite from the "Biyudynka" deposit
I. A. Ostromskii and V. P. Ivlev - Bull. Acad.
Sci. U.S.S.R., Ser. phys., 1939, No. 1, 195-7; in English,
ibid.

bottle, it is stable indefinitely. Ten cc. of oil will completely absorb and react with 1.1 cu. cm. 120 p.p.m. of CS₂. A concn. of over 10 p.p.m. of H₂S produces an cleaner and

ASD-MLA METALLURGICAL LITERATURE CLASSIFICATION

C. A.

1951

(P)

Synthetic alkali hydroxyl amphibole. J. A. Ostrovskii.
Dobroly, Abad. Noch 555 N 69, 007-70(1048) -The

purely hydroxyl amphiboles of eruptive rocks are reproduced by hydrothermal methods. The temp. measurements are accurate within ± 10 to 20° , the pressure is calcd. from the sp. vol. of H_2O vapor. Raw materials are dry SiO_2 gel, anhyd. Na silicate, Fe_2O_3 , and Fe in the ratio of $Fe:O = 1:1$, under a partial pressure for H_2O of 100 kg./sq. cm. brought about by the reaction of Fe with H_2O in the autoclave. The batch of the compn. $Na_2Fe^{III}Si_3O_{10}$ reacted promptly to form amphibole with a min. of glass content. Under a pressure of 1000 kg./sq. cm. (100 for H_2O , 100 for H_2 as partial pressures) the fusion point of the amphibole was 710° . Above 700° fayalite is stable. In a mass of a 1.5 kg., below this temp. only amphibole is stable as a dense aggregate. If the vessel was cooled slowly over the range 740 - 680° , then quenched, large monocrystals of amphibole formed. The min. pressure for the formation of amphibole is 300 kg./sq. cm. (100 partial pressure of H_2) below this crit. pressure nephrite crystallizes, and below 100 kg./sq. cm. only a glass is observed. Therefore the amphiboles are unstable in effusive rocks cooling near the earth's surface. The synthetic crystals of amphibole are dark colored, in druses, and sometimes avowed with a nearly colorless Fe_2O -pyroxene (extinction angle $c =$ about 0° , $a = 1.764$). The amphibole is typically a pneumatolytic crystal from a fluid gaseous soln.; it has fayalite and gas bubbles included. Pleochroism: strong; γ = dark-bluish green; δ = green; α = greenish yellow; absorption $\gamma = \delta > \alpha$; very strong dispersion of extinction, with angle θ (001) = 25° , $\gamma = 1700$; $\theta = 1.000$; $\alpha = 1.002 \pm 0.002$, $\gamma = 61^\circ$; optically neg. H_2O is expelled between 680° and 700° , the remaining alkali melts at 680 to 700° . The chem. analysis (Fe_2O_3 , 7.02, FeO 32.11, Na_2O 9.16, and H_2O 1.40%) does not exactly correspond to the theoretical formula of an alkali amphibole. The c dimension of the unit cell was dstd. as 8.29 Å. The rather unusual orientation of the index ellipsoid (Pedarov stage method) and the peculiar chem. type make the amphibole similar to taramite (cf. Morosiewics, C.A. 30, 2818). W. Eitel

CA

2

Diagram of equilibrium states in the system alkali water
in the case of limited miscibility I. A. Ostrovskii Doklady Akad. Nauk S.S.R. R. 72, Kno. 42 (1950). There is presented an interpretation of the equil. involved in this system, differing from that previously suggested by R. W. Garrison (C.A. 33, 3729). Arnold J. Miller

CA

2

Volume-temperature-composition diagram in a system
of the type silicate-water in the case of limited liquid misci-
bility [A. O. Kravchuk - Doklady Akad. Nauk S.S.R. 70,
641 (1951)]. A theoretical discussion is presented, in
which there is shown the type of vol-temp-compo diagram
obtained in systems composed of one volatile and one non-
volatile substance. Some applications to geological processes are
discussed. Arvid J. Miller

188T46

OSTROVSKIY, I. A.

USSR/Geophysics - Magma, Silicate Water Jul/Aug 51

"The Physicochemistry of Binary Systems With Volatile Components," I. A. Ostrovskiy

"Iz Ak Nauk SSSR, Ser Geol" No 4, pp 76-80

Devoted to the problem of the physicochemistry of binary systems with volatile components. Author discusses theoretically and generally the phenomenon of bounded solv of components. He criticises corr representations and notions of V. A. Nikolyev on magma and its products, sepn of volatile compds of magma, equilibrium of binary systems of the silicate-water type, volatile magmatic fusions, liquation in the late stages of crystn of magma. (Cf. Goranson, "Silicate-Water Systems," Am J Sci, No 35-A, 1938.) LC

188T46

OSTROVSKY, I. A.

USSR/Geophysics - Binary Systems Mar/Apr 52

"Concerning a Different Conception of the Physico-chemistry of Binary Systems With Volatile Components," I. A. Ostrovskiy

"Iz Ak Nauk SSSR, Ser Geol" No 2, pp 130-133

States that the discussion between V. A. Nikolayev and the author on the problem, important for geology and knowledge of ore deposits, of the physico-chemistry of systems with volatile components has been excessively complicated and rendered difficult by 2d-order details. Recommends to students the study of P. Niggli's "Magma and Its Products," published 1946 by the Gosgeolizdat.

213T62

1. OSTROVSKIY, I.A.

2. USSR (600)

4. Geochemistry

7. Problems of the elemental theory of systems with volatile components. 1952. proposition concerning the partition function of potential. S., 1952. 1952. geol. no. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

OSTROVSKIY, I.A.

Physicochemical systems in petrography and metallogeny. (In: Sovetschaniye po eksperimental'noi mineralogii i petrografii. 4th. Moscow, 1952. Trudy, Moskva, 1953. No.2, p.47-62). (MLRA 7:3)

1. Institut geologicheskikh nauk Akademii nauk SSSR.
(Petrology) (Mineralogy) (Systems (Chemistry))

OSTROVSKIY, I.A.

Russian microscopic apparatus. (In: Soveshchanie po eksperimental'noi mineralogii i petrografii. 4th, Moscow, 1952. Trudy, Moskva, 1953. No.2, p.105-108).
(MLRA 7:3)

1. Institut geologicheskikh nauk Akademii nauk SSSR.
(Microscope and microscopy)

Ostrovsxii, J. A.

2

Volume-temperature-composition diagram for the case of a definite compound in a system of volatile and nonvolatile components. I. A. Ostrovskii. *Vestn. Fiz. i Mineral.*, Akad. Nauk S.S.R. N. 4, 403-10 (1953).—The case of formation of a definite chem. compd. in a binary system comprising a volatile and a nonvolatile component is treated. Such a case is typified by silicate-water. The gaseous phase coexisting with the chem. compd. formed necessarily differs from this compd. The system offers 2 possibilities: the chem. compd. melts congruently or it melts incongruently. The vol.-temp.-compo. diagrams of the 2 possible cases are discussed.
M. Hoeh

ZHAMENSKAYA, V.K., redaktor; NIKIFOROVA, A.N., tekhnicheskiy redaktor;
OL'SHANSKIY, Ya.I. [translator]; OSTROVSKIY, I.A. [translator]

[Experimental studies in the realm of petrography and ore formation;
collection of articles. Translated from the English and the German]
Ekspериментальные исследования в области петрографии и рудообразо-
вания; сборник статей. Перевод с английского и немецкого Я.И.
Ольшанского и И.А.Островского. Москва, Изд-во иностранной литературы,
1954. 536 p.

(MLRA 8:1)

(Petrology) (Mineralogy)

OSTROVSKIY, I. A.

USSR/ Geology - Book review

Card 1/1 Pub. #6 - 16/24

Authors : Ostrovskiy, I. A.

Title : ~~Letter to the editor~~

Periodical : Izv. AN SSSR. Ser. geol. 6, 123-124, Nov-Dec 1954

Abstract : Critical comments are made by a reader regarding V. A. Nikolayev's book entitled, "The Genesis of Hydrothermal Solutions in the Stages of Deep Magmatic Processes," which is included in a co-author symposium dealing in magmatogenic ore deposits.

Institution :

Submitted : March 1, 1954

OSTROVSKIY, I.A.

Work of Russian scientists in the field of synthesis of minerals
during the pre-revolutionary period. Och. no ist.geol.znan. no.3:
183-195 '55. (MLRA 8:10)

(Mineralogical chemistry)

OSTROVSKIY, I. A.

USSR/Minerals

Card 1/1 Tab. 22 - 40/51

Authors : Veres, G. I.; Perenkov, T. B.; and Ostrovskiy, I. A.

Title : Synthetic purely ferrous hydroxyl mica

Periodical : Dok. AN SSSR 101/1, 147-150, Mar 1, 1955

Abstract : The synthesis of a purely ferrous hydroxyl mica in which the Al_2O_3 is totally substituted by Fe_2O_3 (in quadruple coordination), is announced. The synthetic mineral melts incongruently forming fayalite and apparently also magnetite. Other physico-chemical properties of the synthetic mineral are described. Five references: 3 USSR and 2 USA (1937-1953). Tables; illustration.

Institution :

Presented by : Academician N. V. Byelov, September 30, 1954

OSTROVSKY, I-A

OSTROVSKY, I. A.

Ostrovskiy, I. A.: Issledovaniya po mineralodobrodatvoryu
v nekotorykh silikatnykh rasplavakh pod davleniem vodyu
i amogo para i vozroda (Investigation of Mineral Formations
in Some Silicates Fused under Steam and Hydrogen Pres-
sure. Moscow: Acad. Nauk S.S.R. 1955. 181 pp.)

USSR, Thermodynamics, Thermochemistry, Equilibrium, Physico-Chemical Properties, Analytic, Phase Transitions

AL-JOURNAL OF BUSINESS & ECONOMICS, VOL. 1, NO. 1, APRIL 2014

Author : I.A. Ostrouzhikov, Ya.I. Ginzburg
Title : System Faradite-Magnelite

Orig Pub : Dokl. AN SSSR, 1956, 107, No 6, 881-883

Abstract : The system fayalite (I) - magnetite (II) was studied. It is shown that II is practically insoluble in I. The liquidus temperature is determined within the limits of 1324 and 1364° for the composition with 30% by weight of II. The position of the liquidus for the composition with 40% of II is limited with 1384 and 1414°. No experiments at higher temperatures could be carried out. The eutectic temperature was found to be 1142°. The composition of the eutectic is: 83% by weight of Fe_2SiO_4 and 17% by weight of Fe_3O_4 . A schematic state diagram of the system I - II under the pressure of 1 atm of a neutral gas was plotted; the diagram can be expanded to cover natural ultrabasic ferruginous silicate melts.

Card : 1/1

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001238510017-3

OBISKOVSKY, A.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001238510017-3"

CONFIDENTIAL - 1

"Experiments on silicate systems with volatile components," p. 1

"Synthesis and Structure of Hydrosilicates containing Simple and Complex Heavy Metal Cations," p. 38

Transactions of the Fifth Conference on Experimental and Applied Mineralogy and Petrography, Trudy . Moscow, Izd-vo AN SSSR, 1958, 516pp

RE-APPROVED FOR RELEASE 06/15/2000 IN CIA-RDP86-00513R001238510017-3
purpose of the conf. was to exchange information and coordinate the activities in the fields of experimental and applied mineralogy and petrography, and to stress the increasing complexity of practical problems

OSTROVSKIY, I.A.; ORLOVA, G.P.; RUDNITSKAYA, Yel.

Stoichiometry in the dissolving of water in alkali-aluminum silicate melts. Dokl. AN SSSR 197 no. 6:1146-1148 Ag 164.
(MIFI A. 1.1.)
I. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR. Predstavлено akademikom N.V. Belovym.

OSTROVSKIY, I.A.

Experimental determination of the position of the curve of coesite-stishovite phase equilibrium. Izv. AN SSSR. Ser. geol. 30 no. 10:132-135 6 '65. "VKA 17:1"

I. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geoхimii AN SSSR, Moscow. Submitted August 12, 1965.

ACC NR: AP6033082

SOURCE CODE: UR/0011/66/000/008/0011/0018

AUTHOR: Ostrovskiy, I. A.

ORG: Institute of Geology of Ore Deposits, Petrography, Meteorology and Geochemistry
AN SSSR, Moscow (Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i
geokhimii)TITLE: Studying phase equilibrium at high pressures (PT-diagram of SiO₂)

SOURCE: AN SSSR. Izvaniya. Seriya geologicheskaya, no. 8, 1966, 11-18

TOPIC TAGS: phase equilibrium, high pressure research, silicon dioxide, silica,
quartzABSTRACT: The author describes the pitfalls of previous investigations and points
out the important factors which must be considered in studying phase equilibrium at
superhigh pressures. Significant pressure gradients are characteristic where the pres-
sure is produced by the compression of solid matter. Heating introduces additional
changes which are difficult to control. Various measures are required in studying
phase equilibrium under such conditions: specimen miniaturization, dehydration of
pyrophyllite, continuous temperature measurement of the specimen, etc. The author
determined the approximate coesite-stishovite equilibrium line experimentally. The
general location of the coesite-stishovite equilibrium line coincides approximately

UDC: 552.11:549.514.51

Card 1/2

ACC NR: AP6033082

with that given by S. M. Stishov. The line determined by the author has more of a slope than that given by Stishov. The following empirical expression for this line is given $P_{\text{kilobars}} = 85 + 0.0364T (\text{ }^{\circ}\text{C})$. The slope is $dP/dT = 36.4 \pm 8 \text{ atm/deg}$. Stishovite would be expected to play a major role in the earth's mantle at depths greater than 500 km if the slope of this equilibrium line is valid. Extrapolation of the coesite-stishovite equilibrium line into the low temperature region shows a strong probability that this line does not cross the quartz-coesite equilibrium line. This shows that the quartz-coesite-stishovite triple point does not occur in nature and that the equilibrium combinations of quartz and stishovite are impossible at all temperatures and pressures. There is a definite need for better methods of determining the coesite-stishovite equilibrium at very high temperatures. A coesite-stishovite curve produced by better methods could be used as a reference point in high temperature calibration of high pressure equipment. Orig. art. has: 3 figures, 1 formula.

20/11
SUB CODE: ~~G82~~ SUBM DATE: 12Feb66/ ORIG REF: 010/ OTH REF: 005

Card 2/2

1 3985-66

ACC NR: AP5024869

UR/0011/63/000/010/0132/0135
541.123.1

12
03

AUTHOR: Ostrovskiy, I. A.

TITLE: Experimental determination of the position of the coesite-stishovite phase equilibrium curve

SOURCE: AN SSSR. Izvestiya. Seriya geologicheskaya, no. 10, 1965, 132-135

TOPIC TAGS: phase equilibrium, coesite, stishovite, quartz

ABSTRACT: An experimental study has been made of the coesite-stishovite phase equilibrium because of unreliable literature data. The experiments were conducted with finely-ground, air dried, pure, fused quartz as the starting material. The procedure and equipment (Bridgeman-type) used are described in the source. The coesite-stishovite equilibrium curve was plotted and is given in Fig. 1 of the Enclosure. The position of the curve is described by formulas $P_{\text{kilobar}} = 85 \pm 0.064T(C)$ and $dP/dT = 36.4 \pm 8 \text{ atm/deg}$. This position roughly coincides with that given by S. M. Stishov [DAN SSSR, v. 148, no. 5, 1963], but the slope is significantly flatter than Stishov's. The intersection of the coesite-stishovite equilibrium line with the quartz-coesite line is considered extremely improbable. It is concluded that

Card 1/3

L 3985-6f

ACC NR: AP5024869

the quartz-coesite-stishovite ternary point does not exist in nature. Orig. art.
has: 1 figure and 1 table. [B0]

ASSOCIATION: Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i
geokhimii AN SSSR, Moscow (Institute of Geology of Ore Deposits, Petrography,
Mineralogy and Geochemistry, AN SSSR)

SUBMITTED: 12Aug65

ENCL: 01

SUB CODE:

NO REF SOV: 004

OTHER: 004

ATD PRESS: 4119

Card 2/3

L 3985-66

ACC NR: AP5024869

ENCLOSURE: 01

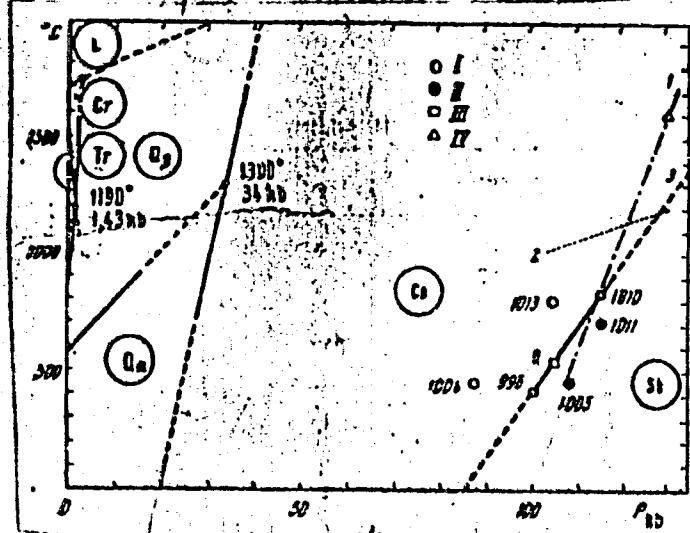


Fig. 1. Combined P-T diagram of silica based on experimental data of Boyd, England, I. A. Ostrovskiy, and others. Transition lines are given according to S. M. Stishov, Yu. N. Ryabinin, and to the results of this study

I - Coasite; II - stishovite;
III - Kingwood point; IV - Stishov point.

GC
Card 3/3

OSTROVSKIY, I.A.

Concerning a feature of δT diagrams. Izv. AN SSSR. Ser. geol.
28 no.10:79-80 (1963) (MIRA 16:11)

I. Institut geologicheskikh mestorzhdenii, petrografii,
mineralogii i geokhimii AN SSSR, Moscow.

L 16926-63

EWT(1)/BDS AFPTC/ASD

S/076/63/037/004/028/029.

52

AUTHOR: Ostrovskiy, I. A.TITLE: Impossibility of limited mutual solubility of gasesPERIODICAL: Zhurnal fizicheskoy khimii, V. 37, No. 4, 1963, 942-945

TEXT: Despite a number of references which have pointed to the limited mutual solubility of gasses, the author proves to his own satisfaction that these references are incorrect and that the limited mutual solubility of gases is an impossibility. He takes particular issue with I. R. Krichevskiy on this matter, but then supports V. Yu. Urbakh who states that observed cases of apparent limited mutual solubility are examples of liquid-gas equilibrium and not of gas-gas equilibrium. There are 3 figures.

ASSOCIATION: Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii, i geochemii, Akademiya nauk SSSR (Institute of Geology of Ore Deposits, Petrography, Mineralogy, and Geochemistry of the Academy of Sciences USSR)

SUBMITTED: April 11, 1962

Card 1/1

OSTROVSKII, I.A.

General characteristics of water solubility in silicate melts.
Geol.rud.mestorozh. 5 no.1:34-35 Ja-P '63. (MIRA 16:3)

1. Institut geologii rudnykh mestorozhdeniy, petrografii,
mineralogii i geokhimii AN SSSR, Moskva.
(Silicates) (Water)

ACCESSION NR: AR3000539

2/0081/63/009007/0145/0145

SOURCE: RZh. Khimiya, Abs. 7D16

AUTHOR: Ostrovskiy, I. A.

TITLE: Simple insulated electric lead-in for operation with compressed gases at a pressure of 5000 kg/cm² and a bomb with internal heater up to 1,600C

CITED SOURCE: Sb. Eksperim. issled. v obl. glubomykh protsessov. M. AN SSSR, 1962, 160-162

TOPIC TAGS: electrical insulation; compressed gases; EP-6 adhesive

TRANSLATION: To insulate the steel cone of the electric lead-in which fits into a conical socket, the surface of the cone is covered with a silk winding which is then impregnated with shellac or EP-6 adhesive. Such an electric lead-in is reliable in operation up to 5,000 atmospheres [kat] with a difference of potential up to 100 volts. -- A. Likhter

Cord 1/2

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001238510017-3

ACCESSION NR: AR3000538

DATE ACQ: 23May63

ENCL: 00

DUB CODE: 00

Card 2/2

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001238510017-3"

LEMMLEYN, G.G.; KLIYA, N.O.; OSTROVSKIY, I.A.

Conditions for the formation of minerals in pegmatites as revealed by a study of primary inclusions in topaz. Dokl. AN SSSR 142 no.1:81-83 Ja '62. (MIRA 14:12)

1. Institut kristallografii AN SSSR i Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i neokhimii AN SSSR.
Predstavleno akademikom A.V. Shubnikovym.
(Pegmatitos) (Topaz) (Mineralogy)

OSTROVSKIY, L.A.

Electromagnetic waves in an inhomogeneous nonlinear medium
involving small losses. Izv.vys.ucheb.zav.; radiofiz. 4 no.5:61-
(MIA L.110)
963 '61.

1. Nauchno-issledovatel'skiy radiofizicheskiy institut pri
Gor'kovskom universitete.
(Electromagnetic waves)

KARPINSKAYA, T.B.; OSTROVSKIY, I.A.; SHANIN, I.I.

Artificial injection of argon into mica at high pressure and
temperatures. Izv. AN SSSR. Ser. geol. 26 no.8:99-103 "E '61.
(MIRA 14:9)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, minera-
lopii i geokhimii AN SSSR, Moskva.
(Argon) (Mica)

SOKOLOV, G.A., doktor geol.-min. nauk, otd. red. Prinimali uchastiye: VLASOVA, D.K.; GLAGOLEV, A.A.; ZHARIKOV, V.A.; LOGINOV, V.P.; LUKIN, L.I.; MIAKELYA, R.O.; OMEL'YANENKO, B.I.; OSTROVSKIY, I.A.; PERTSEV, N.N.; PODDLESSKIY, K.V.; RUSINOV, L.V.; SOFIANO, T.A.; TIMOFEEVA, L.K.; SHABYNIN, L.I.; SHADLUN, T.N.; LAPIN, V.V., red. izd-va; MAKUNI, Ye.V., tekhn. red.

[Physicochemical problems in connection with the formation of rocks and ores] Fiziko-khimicheskie problemy formirovaniia gornykh porod i rud. Moskva, Vol.1. 1961. 658 p. (MIRA L.:10)

1. Akademiya nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. 2. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva (for Vlasova, Glagolev, Zharkov, Omel'yanenko, Ostrovskiy, Pertsov, Shabynin). 3. Moskovskiy geologo-razvedochnyy institut im.S.Ordzhonikidze (for Shabynin, Pertsev.)

(Petrology)

, 3'(8)
AUTHORS:

Ostrovskiy, I. A., Mishina, G. P.,
Povilaytis, V. M.

SOV/20-126-3-52/69

TITLE:

The PT-projection of the Alumina-water System
(PT-proyektsiya sistemy kremnezem-voda)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 3,
pp 645-646 (USSR)

ABSTRACT:

The system mentioned in the title is a limiting system for many silicate systems with volatile components which are of importance in petrology and mineralogy. At least 5 phases exist in this binary system at high temperatures: cristobalite, tridymite, quartz, liquid and vapor. It is (according to Ref 1) a multiple system with one degree of freedom. In general, such system must have 5 invariant points and 10 monovariant lines. The present case is simplified by the circumstance that all crystalline phases are of the same chemical composition, and only the monovariant reactions (1)-(6) are possible between the phases. In the reactions (4)-(6) the liquid and gaseous phases do not take part, so that the equilibria are regenerated. This simplifies very much the building-up of a basic scheme for the system mentioned in

Card 1/3

The PT-projection of the Alumina-water System

SOV/20-126-1-52/42

the title (Fig 1). All 3-phase nonvariant equilibria are stable in this scheme. This is in agreement with the experiment. In the present case, the degenerated equilibria are stable on both sides of the invariant points. The corresponding curves pass over into one another without changing their directions. The variant, in which the equilibrium tridymite + gas = melt is unstable, is excluded from consideration. An experiment, however, makes it easily clear that tridymite can coexist with the melt. As the experimental PT-diagram of the mentioned system (Ref 2) is incomplete, and does not agree with the theoretical scheme (Fig 1), the authors achieved some precision and completion by their experiments. The resulting experimental PT-diagram corresponds to the theoretical scheme (Fig 1). Figure 2 shows this experimental diagram (Refs 3, 4). A comparison of this diagram with the material found by other investigators shows differences in the position of various points and lines. There are 2 figures and 4 references, 1 of which is Soviet.

Card 2/3

The PT-projection of the Alumina-water System

SOV/20-126-3-52/69

ASSOCIATION: Institut geologii rudnykh mestorozhdeniy, petrografii,
mineralogii i geokhimii (Institute for the Geology of Ore
Deposits, Petrography, Mineralogy and Geochemistry)

PRESENTED: March 30, 1959, by D. S. Korzhinskiy, Academician

SUBMITTED: March 28, 1959

Card 3/3

SOLDATKIN, I.S.; NOVOKRESHCHENNOVA, N.S.; RUDENCHIK, Yu.V.;
OSTROVSKIY, I.B.; LEVOSHINA, A.I.

Use of radioactive carbon in studying the intensity of the exchange
of fleas between Rhombomys optimus and Meriones meridianus.
Dokl. AN SSSR 146 no. 6:1462-1463 0 '62. (MIRA 15:10)

1. Predstavлено академиком Ye. M. Pavlovskim.
(Parasites—Gerbils) (Fleas) (Radioactive tracers)

SOLDATKIN, I.S.; NOVOKRESHCHENOV, N.S.; RUDENCHIK, Yu.V.; OSTROVSKIY, I.B.;
LEVOSHINA, A.I.

Study of the feeding activity of fleas of the greater field mouse under
natural conditions by the use of radioactive indicators. Zool.
zhur. 40 no.11:1647-1650 N '61. (MIRA 14:11)

1. All-Union Research Institute "Microb", Saratov and Anti-Plague
Station of Nukus. (Fleas) (Insects--Food)

MOTYKO, Aleksandr Stepanovich; OSTROVSKIY, Isaak Davidovich; RIKHTEK,
A.A., inzh., retsentent; KHOMUTOV, K.M., kand. tekhn. nauk,
doto., red.; CHFAS, M.A., red. izd-va; SOKOLOVA, T F., tekhn.
red.

[Developed sheet product surfaces] Razvertki poverkhnostei
listovykh izdelii. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 94 p.
(Sheet-metal work) (Surfaces (Technology))

OSTROVSKIY, Isaak Davidovich; MOTYL', Vasiliy Vladimirovich; STOLYARSKIY,
L.L., redakteur; KAMOLOVA, V.M., tekhnicheskiy redakteur.

[Experiment in use of block units in making superstructures for
tankers of the "Leningrad" type] Opyt isgotovleniya nadstrek blokami
dlia tankerev tipa "Leningrad". Leningrad, Gos.soususnee izd-vo sude-
streit.promyshl., 1955.61 p. (MIRA 9:5)
(Shipbuilding) (Tank vessels)

POPOV, Grigoriy Ivanovich; GRIBIN, G.P., otv. red.; OSTROVSKIY, I.I., otv. red.;
SUROVA, V.A., red. izd-va.; SHELYAR, Ye. Ya., tekhn. red.; ALADOVA,
Ye. I., tekhn. red.

[Economics, organization and planning of production in mine
construction] Ekonomika, organizatsiya i planirovanie proizvodstva
v shakhtnom stroitel'stve. Moskva, Ugletekhnizdat, 1958. 365 p.
(MIRA 11:11)

(Coal mines and mining)

IVANOV, N.N.; KARPIN, Ye.B.; OSTROVSKIY, I.G.; TOKMACHEV, A.F.

Continuous automatic pneumatic weighing batchers. Priborostroenie
no. 12:16-18 D '60. (MIRA 14:1)
(Weighing machines)

17(2)

SCV/177-58-11-1

AUTHORS: Ostrovskiy, I.I., Lieutenant-Colonel of the Medical Corps, Kopejkina, A.A., Major of the Medical Corps, Epidemiological

TITLE: The Organization of Viro-Investigations of Influenza in the Laboratory of a Travelling Sanitary-Epidemiologic Squadron

PERIODICAL: Voyenno-meditsinskij zhurnal, No. 1, March 1949 ("SSR")

ABSTRACT: The authors state that laboratory epidemiological investigation is the only reliable method for determining virus infection. They studied the local outbreaks of influenza in the spring-s. summer of 1948. The virological diagnosis in the bacteriological laboratory of the travelling sanitary-epidemiologic squadron was based on investigations including determination of the presence of viruses eliminated by patients and the percentage of the initiation of hemagglutination in sera of persons who had had influenza. Card 1/3

SCV/177-58-11-1a/7c

logical
The Organization of Viro-/Investigations in Influenza in the Laboratory of a Travelling Sanitary-Epidemiologic Squadron

pharynx rinsing water of patients of three military units, strains of the influenza virus were found; the hemagglutination reaction was clearly pronounced in the titer 1:40 - 1:80. The Institut virusologii imeni Ivanovskogo (Institute of Virology imeni Ivanovskogo) classified the virus as type A₁ with certain immunological distinctions. In June, influenza viruses A and A₁ were found and identified again, in September, type A₂ was investigated in the laboratory of the Department for Diagnosis of Influenza of the Institut virusologii AMN SSSR (Institute of Virology of the AMN USSR). With antiserum "Singapur", the strains were neutralized up to the full titer. In January/February, the increase of virucidal antibodies was investigated in twin sera of patients who had been injected against influenza with monovalent vaccine A₂ and polyvalent vaccine A,A₁,B,C and D and

Card 2/3

BOSENKO, N.A.; OSTROVSKIY, I.I.

Professor Samuil Akimovich Vinnik; on his sixtieth birthday.
Vest.otorin. 22 no.3:116 My-Jo '60. (MIRA 13:10)
(VINNIK, SAMUIL AKIMOVICH, 1900)

OSTROVSKIY, Ivan Ivanovich; ARTEMOV, I.S., red.; POPOV, V.N., tekhn.
red.

[Let us restore past glory to millet growing in Tambov Province]
Vernem byluiu tambovskikh prosovodov. Tambov, Tambovskoe knizhnoe
izd-vo, 1960. 19 p. (MIRA 14:12)
(Tambov Province--Millet)

OSTROVSKII, I.I., inzh.

Instruction on the design of mine pipelines. Shakti. stroi. /
no. 3:32 Mr '62.
(Mining)
(Coal mines and mining--Equipment and supplies)

OSTROVSKIY, I.I., inzh., red.; FEDOROV, A.N., inzh., red.;
BESSMERTNYY, A.S., inzh., red.

[Construction specifications and regulations] Stroitel'nye
normy i pravila. Moskva, Gosstroizdat. Pt.3. Sec.B. Ch.1.
[Mining engineering by mining enterprises; regulations
concerning the carrying out of work and the acceptance of
completed work] Podzemnye gornye vyravotki predpriatii po
dobyche poleznykh iskopаемых; pravila proizvodstva i pri-
emki rabot (SNiP III-B.6-62). 1963. 30 p. (MIKA 17:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva. 2. Gosstroy SSSR (for Ostrovskiy). 3. Mezhev-
domstvennaya komissiya po peresotru Stroitel'nykh norm i pra-
vил (for Fedorov). 4. Vsesoyuznyy nauchno-issledovatel'skiy
institut organizatsii i mekhanizatsii shakhtnogo stroitel'stva
(for Bessmertnyy).

OSTROVSKIY, I. I., red.; FEDOROV, A.M., red.; BERLIN, A.Ye., red.
IFTINKA, G.A., red.izd-va; RODIONOVA, V.M., tekhn. red.

[Construction specifications and regulations] Stroitel'-nye normy i pravila. Moskva, Gosstroizdat. Pt.2. Sec.M.
ch.4.[Underground workings of enterprises for mining
minerals; norms for planning] Podzemnye gornye vyrabotki
predpriatii po dobyche poleznykh iskopаемых; normy pro-
ektirovaniia (SNiP II-M. 4-62). 1963. 51 p.

(MIRA 16:10)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosudarstvennyy komitet po delam stroitel'stva SSSR (for Ostrovskiy). Mezhdovedomstvennaya komissiya po peresmotru stroitel'nykh norm i pravil pri Akademii stroitel'stva i arkhitektury SSSR (for Fedorov).
3. Vsesoyuznyy tsentral'nyy gosudarstvennyy institut po proyektirovaniyu i tekhniko-ekonomiceskim obosnovaniyam razvitiya ugol'noy promyshlennosti (for Berlin).

(Mining engineering)

OSTROVSKIY, I. I., inzh., red.; PETROVA, V.V., red.ind-va; BOROVNEV,
N.K., tekhn. red.

[Instructions SN 198-61 for planning mine piping] Uказания
по проектированию шахтных трубопроводов (SN 198-61) Mo-
skva, Gosstroyizdat, 1962. 34 p. (MIRA 16:4)

1. Russia (1923- U.S.S.R.)Gosudarstvennyy komitet po delam
stroitel'stva.
(Mining engineering--Equipment and supplies)
(Pipe, Steel)

OSTROVSKIY, I.I., red.; KHAVIN, B.N., red.izd-va; GILENSEN, P.O..
tekhn.red.

[Construction standards and regulations in mining operations]
Stroitel'nye normy i pravila na gornoprokhodcheskie raboty.
Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materiam.
Pt.4. [Estimate standards] Smetnye normy. 1959. 253 p.
(MIRA 13:8)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva.
(Mining engineering--Estimates and costs)

GRAMMATIKOV, Aleksandr Nikolayevich; IVANOV, Nikolay Ivanovich; ORIBIN,
G.P., otv.red.; OSTROVSKIY, I.I., otv.red.; SUTOVA, V.A., red.
izd-va; SABITOV, A., tekhn.red.

[Organization and planning of construction in the mining
industry] Organizatsiya i planirovanie stroitel'stva gornykh
predpriatii. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu
delu, 1960. 399 p. (MIRA 13:9)
(Mining engineering)

OSTREOVSKIY, J.I., inzh., red.; PEREVEZENTSEV, N.T., inzh., red.;
SHMELEVA, V.P., inzh., red.; KAMYSH'YAN, A.G., inzh., red.

[Collection No.4 of standard district uniform estimates for construction work; strip mining] Sbornik No.4 edinichnykh raionnykh edinichnykh rastsenok na stroitel'nye raboty; gorno-vskryshnye raboty. Moskva, Stroizdat, 1965. 174 p.

(MIRA 18:8)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Ostrevskiy).
3. Nauchno-issledovatel'skiy institut ekonomiki stroitel'stva Gosstroya SSSR (for Perevezentsev, Shmeleva). 4. Gosudars'tvennyy institut po proyektirovaniyu shchekht, kar'yerov i obogatitel'nykh fabrik (for Kamysl'yan).

BUDANOV, G.V., it.t.; red.; SCHERBY, I.I.; inzh., red.

(Collection No. 32 of standard data of uniform estimates
for mining operations, galleries and the convergence
between them and with inclined workings) Chernik No. 32
edinrykh raionnykh estimacij po razvitiyu i gornopromyshlennym
rabotam; gorizontal'noe vyzvanie i ikh opriazheniya
vezhdu soobsiyayushchimi organami. Moskva, Gosstrud-
izdat, 1960. 110 p. (MIRA 18.6)

i. Russia (1923-1959). Gorno-razvedyvaniye komitet po de-
lam stroitel'stva.

BUDANOV, G.V., inzh., red.; OSTROVSKIY, I.I., inzh., red.; PETROVA, V.V., red. izd-va; RYAZANOV, P.Ye., tekhn. red.

[Collection no. 35 of unified regional unit valuation sheets for mining operations; instructions for compiling estimates on mining operations in general and valuations of machine estimates of mining machinery and equipment in general] Sbornik no.35 edinykh raicnykh edinichnykh rastsenok na gornoprokходcheskie raboty; instruktsii po sostavleniu smet na obshcheshakhtnye raboty i rastsenki na mashino-smeny obshcheshakhtnykh mashin i oborudovaniia. Moskva, Gos. izd-vo lit-ry po stroit., i stroit. materialam, 1960. 94 p.
(MIRA 14:5)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva.

(Mining industry and finance)

BUDANOV, G.V., inzh., red.; OSTROVSKIY, I.I., inzh., red.; PETROVA, V.V., red. izd-va; BOROVIEV, N.K., tekhn. red.

[Collection no.31 of unified regional unit valuation sheets for mining operations; inclined shafts] Sbornik no.31 edinykh rasionnykh edinichnykh rassmenok na gornopromyshlennye raboty : naklonnye stvoly. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroitel. materialam, 1960. 234 p. (MIRA 14:5)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva.

(Shaft sinking)

OSTROVSKIY, I.I., red.; KLIMOVА, G.D., red.izd-vo; ALEXANDROVA, O.Ye.,
tekhn. red.

[Provisional standards and technical specifications for the
design of pipelines for coal and shale mines (SN 74-59)] Vre-
mennye normy i tekhnicheskie usloviia proektirovaniia vodopro-
vodov v podzemnykh vyrabotkakh ugol'nykh i slantsavykh shakht
(SN 74-59). Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i
stroitel. materialam, 1960. 20 p. (MIRA 13:8)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po celam
stroitel'stva.
(Pipelines--Standards) (Mining engineering--Standards)

OSTROVSKIY, I.I., podpolkovnik med. sluzhby; KOPENKINA, A.A., major med. sluzhby

Organization of virological examinations for influenza in the laboratory
of the sanitary and epidemiological detachment. Voen.-med. zhur. no.11:
43-45 N '58.

(MIRA 12:7)

(INFLUENZA--BACTERIOLOGY)

OSTROVSKIY, I.I., inzh., red.; GRIGOROV, I.I., inzh., red.;
MURASHEV, A.G., inzh., red.; PECHURSKIKH, S.A., inzh.,
red.; VEDENKIN, D.I., inzh., red.; KUDINOV, F.I., inzh.,
red.; YELISEYEEVA, Ye.Ye., inzh., red.; PETRUNIN, I.S.,
inzh., red.; TURJANSKIY, V.A., inzh., red.; POZDNYAKOVA,
L.V., inzh., red.; EOKOV, K.V., inzh., red.

[Collections N.s. 1, 2, 14, 43] of standard district uniform
estimates for construction work' Sborniki No.5, 6, 14, 43
edinyykh ravnennykh osnovnykh rad'zenok na stroyel'nye
raboty. Moscow, Sverlizdat, 1961. 86 p. (MIRA 1961)

1. Russia (1963- U.S.S.R.) Gosudarstvennyy komitet po zem-
lam stroitel'stva. 2. Gosstroy SSSR (for Ostrovskiy, Vedenkin,
Kudinov). 3. Nauchno-issledovatel'skiy institut ekonomiki
stroitel'stva Gosstroya SSSR (for Grigorov, Murashev, Petrunin,
Yeliseyeva, Turjanskiy, Pozdnyakova). 4. Gosudarstvennyy insti-
tut po proektirovaniyu preipriyatii trubnoy metallurgii (for
Pechurshik). 5. Gosudarstvennyy proyektotstroy institut po proyekti-
rovaniyu i red'zheniy tekhnicheskoy promyshlennosti (for Eokov).

137-58-6-12250

Translation from Referatnyy zhurnal Metalurgiya 1958 Nr 6 p 154 (USSR)

AUTHOR Ostrovskiy, I.I.

TITLE An Experiment in Precision Forming at State Bearing Plant
Nr 8 Opyt primeneniya tochnoy shtampovki na GPZ 8

PERIODICAL V sb. Progressivnye metody shtampovki i kovki. Khar'kov.
Oblizdat 1957 pp 241-254

ABSTRACT A description is offered of new fabrication methods for precision forming of bearing retainers (R) and the inner and outer rings (R₁) of tapered roller bearings as used at the Khar'kov Bearing Plant. Under the new method of fabrication, the R₁ are made of steel strip from which the work-piece is made by blanking. The gage of the strip is determined by the thinnest section through the R₁ while its length is specified by the evolute of the cylindrical portion. The blank is then drawn into a cylinder on a die with automatic feed. Before the final forming the surfaces of the cylinders are covered with a film of lubricant in a solution of a special mixture of manganese and iron monophosphates containing 1% potassium nitrate, 3.5% of the Mn:Fe monophosphates mixture and 0.03% CuO - the residue

Card 1/2

137-58-6-12250

An Experiment in Precision Forming at State-bearing Plant Nr 8

being water. Treatment time is 15-10 min at a temperature of 95°C. At an output rate of 35,000 R per day, the saving relative to the old process is over 1,500 t of metal plus 3,000,000 rubles savings in manufacturing costs per year and the freeing of 21 units of basic equipment. Cold forming of inner R of tapered roller bearings is done at this plant by the twisting out of flat washers instead of by cutting from drawn tubing. The result of the utilization of this new procedure has been to reduce the metal consumption by 300 t per year and to save 5,000,000 rubles in costs of production. The plant has also developed a warm sizing procedure of R for tapered roller bearings blanks of ShKh15 steel being heated to 700°, or less than the critical point, with subsequent sizing of the R on a 1500 t coining press, the metal flowing upward between die and punch.

1 Metal-saving experiment on precision forming of tapered roller bearing inner rings
4 Industrial practice of cold forming of tapered roller bearing inner rings

G F

Card 2/2

OSTROVSKIY, I.I., inzh., red.; PETROVA, V.V., red.izd-va; BOROVIEV, N.K., tekhn.red.

[Instructions for the application of "Fire-prevention specifications for construction plans of industrial enterprises and populated areas (N 102-54)" to the planning of surface buildings and structures for underground and open-pit coal mines; SN 97-60] Uказания по применению "Противопожарных норм строительного проектирования промышленных предприятий и населенных мест (Н 102-54)" при проектировании наземных зданий и сооружений шахт и кар'еров угольной промышленности; СН 97-60. Москва, Гос.изд-во литературы по строит., техник. и строительным материалам, 1960. 13 p.

(MIRA 13:11)

1. Russie (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva.

(Fire prevention)

BUDANOV, G.V., inzh., red.; OSTROVSKIY, I.I., inzh., red.; PETROVA, V.V..
red.izd-va; ABRAMOVA, V.M., tekhn.red.

[Instructions for the adoption of unified regional unit wage
rates in mining] Ukrezenie po primeneniiu edinykh raionnykh
edinichnykh restsenok na gornoprokhodcheskie raboty. Moskva,
Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam,
1960. 150 p. (MIRA 14:4)

1. Russie (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva.
(Mining industry and finance) (Wages)

BUDANOV, G.V., inzh., red.; OSTROVSKIY, I.I., inzh., red.; PETROVA, V.V., red.izd-vs; GOL'BERG, T.M., tekhn.red.

[Collection No.30 of united regional unit estimates of mining operations: vertical shafts, their connections with shaft bottoms, loading areas and hoppers] Sbornik No.30 edinykh raionnykh edinichnykh rasselenok na gornoprophodcheskie raboty, vertikal'nye stvoly, sopriezheniye ikh s okolostvol'nymi dvorami, zagruzochnye kamery i bunkera. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 181 p.

(NIKA 14:4)

I. Russie (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva.

(Mining engineering--Costs)

BUDANOV, G.V., inzh., red.; OSIROVSKIY, I.I., inzh., red.; PETROVA, V.V.,
red.izd-va; BOROVMEV, N.K., tekhn.red.

[Collection №.32 of united regional unit estimates of mining
operations: horizontal drifts and connections between them and
inclined drifts] Sbornik №.32 edinykh reionnykh edinichnykh
rastsenok na gornoprokhodcheskie raboty, gorizontal'nye vyrabotki i
ikh sprosishcheniya mezhdu soboi i s naklonnymi vyrabotkami.
Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam,
1960. 250 p. (MIRA 14:4)

1. Russie (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva.
(Mining engineering--Costs)

OSTROVSKIY, I.M.; GELLER, S.Yu., doktor geograf.nauk, otv.red.;
SPRYGINA, L.I., red.izd-va; TIKHOMIROVA, S.O., tekhn.red.

[Relief of sands in the western area of the low-lying part
of Kara Kum] Rel'ef peskov zapadnoi chasti Nizmennyykh Kara-
kumov. Moskva, Izd-vo Akad.nauk SSSR, 1960. 92 p.

(MIRA 13:7)

(Kara Kum--Sand) (Kara Kum--Winds)

OSTROVSKIY, I.M.

Eolian relief of Transbaikalia. Biul. MOIP. Otd.geol. 37 no.3:141-
142 My-Je '62. (MIRA 15:10)
(Transbaikalia—Landforms)

S/137/62/000/003/093/130
A006/A101

AUTHORS: Ostrovskiy, I. M., Vrzhashchik, E. I.

TITLE: The effect of the chemical composition of steel on the nature ...
properties of a cyanided layer

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 5, 1967, 56 - 59, 1967.
51341 ("Izv. Irkutskogo s.-kh. in-ta", 1966, no. 16, 1966)

TEXT: An investigation was made with the following steel grades: "K",
C7.3 (st.3), 18XFT (18XGT), 20 X (20ZG), 30XTC (30KhSA), "40", 40X (40ZG),
40 XHMA (40KhMMA), "45", 45 X (45Kh), Y8 A (Y8A), Y10 A (Y10A), XhT (XhVG)
and P 9 (R9). Cyaniding was performed under 5 different conditions at 650°C
during 1, 2, 3, 4 and 5 hours; the temperature of pyrolysis was 650°C, the amount
of cementing gas supplied was 3 l/min and of NH₃ - 1 l/min. Quenching was per-
formed directly in water. Microhardness was measured (at 100 g pyramide load)
every 0.05 mm. It was established that the chemical composition of the steel af-
fected considerably the results of the process of high-temperature gas cyaniding.
So, for instance, in alloyed steels of the cementable type, such as 18XGT and

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3/137/62/136/045/093/155
K006/A101

The effect of the...

20Kh, the depth of the layer at equal holding time was less than in St.3 steel. The depth of the layer in St18CrOT and 20Kh steels at different holding times is less than in "20" grade steel, and in 40Kh and 45Kh steels it is somewhat higher than in "40" and "45" grade steels. In the structure of the cyanided layer and in particular of alloyed steels, subjected to extended hardening, an increased amount of residual austenite was observed; this entailed a decrease in hardness. The characteristic features of the cyanided layer in various steel grades are described and some recommendations relating to the process are given. The selection of the steel grade for the manufacture of parts to be cyanided should be based on their particular features of operation. There are 7 references.

A. Babayeva

[Abstracter's note: Complete translation]

Card 2/2

1. OSTROVSKIY, I.M.
2. USSR (600)
4. Technology
7. Cold treatment of metals by cutting. Irkut.obl.gos izd-vo 1952
9. Monthly List of Russian Accessions, Library of Congress, February, 1953. Unclassified.

PODUSHKOVA, N.A., OSPIKOVSKIY, I.M.

Chopping blanks for cutting tools on eccentric presses. Stan.1
instr. 28 no.3-27-28 Ag '57. (MLRA 10:9)
(Dies (Metalworking))

S/123/62/004/004/005/11-
A004/A10:

AUTHORS: Ostrovskiy, I. M., Vrzhashch, E. I.

TITLE: The effect of the chemical composition of steel on the nature and properties of the cyanided layer

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 4, 1962, 34, abstract
4B192 ("Izv. Irkutskogo s.-kh. in-ta", 1960, no. 16, 93 - 104)

TEXT: 14 steel grades were subjected to high-temperature gas cyaniding. The tests were carried out at a temperature of 850°C for 1, 2, 3, 4, and 5 hours. The microhardness and depth of the cyanided layer were determined by specimens which were cyanided and quenched in water. It was found that the chemical composition of the steel essentially affects the depth and hardness of the cyanided layer. With alloyed cemented steels of the 18X71 (18KhGT) and 20X (20Kh) type the depth of the layer, at equal holding times, is less than with the grade 20 steel, while the depth of the layer is greater with the 40X (40Kh) and 45X (45Kh) grade steels than with the grade 40 and 45 carbon steels. The 45Kh grade steel shows the maximum rate of growth of the depth of the cyanided layer (0.270 mm/hour).

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34574
S/123/62/000/007/006/016
AC04/A101

1.4000

AUTHORS: Ostrovskiy, I. M., Chuasov, V. A.

TITLE: On the possibility of manufacturing cyanided dies from grade 40 steel

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 7, 1962, 17, abstract
7B81 ("Izv. Irkutskogo s.-kh. in-ta", 1960, no. 16, 123-133)

TEXT: The authors describe the practice of manufacturing dinking dies from structural steel with subsequent gas cyaniding. Punches and dies of various profiles made of grade 40 steel were subjected to cyaniding at 850°C with subsequent water-quenching. The depth of the cyanided layer for various punches amounted to 0.52 - 0.62 mm. As a result of the tests it was found that a destruction of the working edges of the punch takes place at a load of not less than 558 kg per running mm of the punch working blade. The microhardness of the cyanided layer was HRC 62 - 64 with a smooth transition from the periphery to the center. The authors present industrial-scale tests of dies made of the 40X (40Kh) grade steel with subsequent gas cyaniding and water-quenching (HRC 63 - 64). During the punching of disks 52 mm in diameter from grade 2 steel 1 mm in

Card 1/2

On the possibility of manufacturing ...

S/123/62/000/007/006/016
A004/A101

thickness, the service life of the punches after each sharpening amounted to 18,400 - 22,400 blanks, i.e. it was higher than that of Y 10A (U10A) grade steel punches by a factor of 2 - 3. There are 7 figures and 5 references.

Ya. Golombik

[Abstracter's note: Complete translation]

X

Card 2/2

OSTROVSKIY, I. M.

Ostrovskiy, I. M. -- "Investigation of Cyanided Files Manufactured from Steel 20." Min Higher Education USSR, Moscow Automechanical Inst. Moscow, 1955 (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No. 23, Moscow, Jun 55, pp 87-104

121-8-9/22

AUTHOR PODOSENOVA, N.A., OSTROVSKIY, I.M.
TITLE The Shearing of Semifinished Material for the Cutters of
Eccentric Presses.
PERIODICAL Rubka zagotovok rezushchego instrumenta na ektsentriko-
vykh pressakh.- Russian)
ABSTRACT Stanki i Instrument 1957, Vol 28, Nr 8, pp 27-28 (USSR)
On illustration 1) we see the principal schemes of shearing:
Shearing by means of flat blades without support (1a); by
means of sleeves (1b) and by means of flat blades with
support (1c). Shearing as shown on 1a) can not be recommended
as it leads to considerable distortions of the front
faces. Shearing as shown on 1b) has certain advantages but it
is complicated and requires much time as the sleeves have
to be taken away constantly, the bars have to be aligned
and turned at their ends. Shearing as shown on 1c) is more
productive and warrants a good quality of the front faces.
On ill. 2 a new construction of a punch serving for the
shearing of round- and flat iron on presses of 70 and 100 t
is shown. This punch has a support with rubber shim as well
as a device for adjusting the clearance between the blades
which is of great importance for clean and correct shearing.
The influence of the clearance between the blades was

CARD 1/2

OSTROVSKIY, I.M., starshiy nauchnyy sotrudnik.

Karat. Nauka i shisn' 20 no.10:33-34 O '53.

(MLRA 6:10)

1. Institut geografii Akademii nauk SSSR.

(Karat)

OSTROVSKIY, I. M.

Paleogeography and Geomorphology of the Barsa-Kel'mes Island in the Aral Sea

Barsa-Kel'mes Island, consisting of sedimentary rocks, represents a residual mountain (mesa) of erosional origin which had undergone subsidence along with the entire territory of the Aral Sea basin. On the basis of a spore dust and mineralogic analysis the author determines the age of the deposits to be Upper and Middle Oligocene. Flaps found by the author of oysters (*Ostrea* aff. *plicata*), relating to the Lower Oligocene, give the possibility of assuming the presence of Lower Oligocene layers covered under the level of the Aral Sea. The author distinguishes two types of relief: stratified denuded flatlands of the Oligocene, and marine accumulative flatlands of the Quaternary. (RZhGeol, No. 4, 1955)
Tr. In-ta geogr. AN SSSR, Materialy po geomorfologii i paleogeografii SSSR, 58, 10, 1953, 195-233.

SO: Sum. No. 744, 9 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (12)

OSTROVSKIY, I. N.

"The Outlook for Industrial Production of Hydrogen Sulfide for Agriculture,"
Trudy po Zashchite Rastenii, Seriya 3, no. 6, 1935, pp. 52-56. 423.92 L54C

SO: SIRA, SI 90-53, 15 December 1953

3C
Preparation of calcium and calcium hydrogen sulphide: J. P. Gossenek; and J. L. Normand-Sauvage. U.S. Appl. Chem. Spec., 1934, 6, 2214-12309.—H₂S is passed into a 20% suspension of CaO at 50°, with stirring, when the solution is saturated with 20% of Ca(HS)₂. 30% eq. NaHS is obtained from this solution by adding anhyd. Na₂O₂ at room temp. The reaction is not affected by admixture of 5% of CO₂ to the H₂S. R. T.

Preparation of calcium and sodium hydrosilicides. I.
N. Ostrovskii and I. L. Sheremet'ev. *J. Applied Chem.*
(U.S.S.R.) 9, 1214 (1956) French 12301 (1956). A
method of prep. of Ca(HS)_n and NaHS, according to the
reactions (1) Ca(OH)₂ + 2HS = Ca(HS)_n + 2H₂O and
(2) Ca(HS)_n + Na₂CO₃ = 2NaHS + CaCO₃, was investi-
gated. For the 1st reaction, best results with respect to
velocity of reaction and concn. of Ca(HS)_n were obtained
by using 20% CaO with pure HS at 20° with constant stir-
ring. The addition of CaO to the Ca(HS)_n min. and satn. of
the resulting min. with HS at 20° yielded 65 g. of Ca
(HS)_n min., which is almost a satd. soln. of Ca(HS)_n (only ~60 g./l.). NaHS was prep'd. from Ca(HS)_n by
addin. of the stoichiometric quantity of absolutely dry
Na₂CO₃ to a Ca(HS)_n soln. of known concn. at 20° with
periodical stirring & the reacting must. Analytical data
are tabulated. A. A. Bulgarev

OSTROVSKIY, I. V.

Evaluating the defect of a meromorphic function in which two values are distributed inside of a certain angle. Izv. vys. ucheb. zav.; mat. no.2:138-148 '60. (MIRA 13:?)

1. Khar'kovskiy gosudarstvennyy universitet i.M. Gor'kogo.
(Functions, Meromorphic)

1. K'YACHKOV, A. K., DR. - OSTROVSKIY, I. V.
2. USSR (600)
4. Cranks and Crankshafts
7. Improved working quality of bearings and cranks of the D-35 tractor engine crankshaft. Avt.trakt.prom. no. 11, 1952
9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

S/020/62/143/003/006/029
B112/B102

AUTHOR: Ostrovskiy, I. V.

TITLE: Application of a principle of Wiman and Valiron to the investigation of the characteristic functions of probability laws

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 143, no. 3, 1962, 531 - 535

TEXT: The question of Yu. V. Linnik (Razlozheniya veroyatnostnykh zakonov - Expansions of probability laws, L., 1960, p. 255) whether $\exp f(x)$ can be a characteristic function of a probability law if $f(z)$ is an integral transcendental function with a minimal type of an order $\rho \leq 1$ is answered negatively. This is done by the following theorem: If the integral transcendental function $f(z)$ satisfies the relation $\operatorname{Re} f(x + iy) < M(|y|)$, $-\infty < x, y < \infty$, where $M(r) = \max_{|z|=r} |f(z)|$, then $\lim_{r \rightarrow \infty} r^{-1} \ln M(r) > 0$. The proof is based on the Wiman-Valiron representation $f(z) \sim (z/t)^N f(t)$. There are

Card 1/2

Application of a principle of ...

S/020/62/143/003/006/029
B112/B102

5 references: 2 Soviet and 3 non-Soviet. The English-language references are: E. Lukacs, *Pacif. J. Math.*, 8, no. 3, 487 (1958), A. J. Macintyre, *Quart. J. Math.*, 2, 81 (1938).

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet im. A. M. Gor'kogo
(Khar'kov State University imeni A. M. Gor'kiy)

PRESENTED: November 21, 1961, by S. N. Bernshteyn, Academician

SUBMITTED: November 19, 1961

Card 2/2

- COL'DBLRG, A.A.; OSTROVSKIY, I.V.

New investigations on the growth and distribution of the values
of entire and meromorphic functions of zero order. Usp. mat. nauk
16 no.4:51-62 Jl-Ag '61. (MIRA 14:8)
(Functions, Entire) (Functions, Meromorphic)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001238510017-3

LEVIN, B.Ya.; OSTROVSKIY, I.V.

Dependence of the growth of an entire function on the location of
the zeros of its derivatives. Sib. mat. zhur. 1 no.3:426-455 8-0 '60.
(MIRA 14:?)

(Functions, Entire)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001238510017-3"

OSTROVSKIY, I. V.

"Radio Communications on a Single Side-Band of Frequencies". One of series
of Telecommunications lectures given by experts in the scientific research institutes
and educational institutes.

SO: Vest. Svyazi, p 24, No. 6, 1952.

AUTHOR:

OSTROVSKIY I.V.

20-5-7 48

TITLE:

Generalization of the Theorem of M.G.Kreyn (Obobshcheniye teoremy M.G.Kreyna)

PERIODICAL: Doklady Akad.Nauk SSSR, 1957, Vol.116, Nr.5, pp.742-745 (USSR)

ABSTRACT: Given the meromorphic function

$$(1) \quad f(z) = \sum \frac{A_k}{z - h_k},$$

where $\sum |Im h_k^{-1}| < \infty$ and $\sum |A_k| < \infty$. Let $T_f(r)$ be the Nevanlinna-characteristic of (1).

Theorem: For (1) there holds the asymptotic inequation

$$(2) \quad T_f(r) = N_f(\theta r, 0) + C_{f,\theta} r,$$

where θ is an arbitrary number greater than 1 and $C_{f,\theta}$ denotes a certain constant.

The proof starts from Nevanlinna's first theorem:

$$(3) \quad T_f(g) = N_f(g, 0) + m_f(g, 0) + O(1).$$

Card 1/2 (3) is multiplied by g and integrated with respect to g from r to θr .

Generalization of the Theorem of M.G.Kreyn

20-5-7/48

Because of the monotony of T_f and N_f there follows:

$$T_f(r) \leq N_f(\theta r, 0) + \frac{2}{(\theta^2 - 1)^2 r^2} \int_r^{\theta r} n_f(s, 0) s ds + o(1).$$

By estimations it is proved that the integral is smaller than Cr^3 .

Theorem: If for (1) there holds: $\lim_{r \rightarrow \infty} T_f(r)r^{-1} = \infty$, then for every a (also for $a = \infty$) we have: $S_f(a) = 0$. 3 Soviet references.

PRESENTED: By S.N.Bernshteyn, Academician. April 27, 1957

ASSOCIATION: Khar'kov State University imeni A. M. Gor'kiy (Khar'kovskiy gosudarstvennyy universitet im. A. M. Gor'kogo)

SUBMITTED: January 1, 1957

AVAILABLE: Library of Congress

Card 2/2

A. Title:

Major, USAF, Planning Engineer

B. Title:

Planned to be a military liaison to the Ministry of Defense
of Thailand, responsible for the development of Thailand's
space program.

C. Nationality:

Chinese, National People's Republic

D. Rank:

Planned to be a Major, USAF, liaison to the Ministry of Defense
of Thailand, responsible for the development of Thailand's
space program. Their mission will include: (1) the development
characteristics of satellites; (2) extension of the existing system
of TV-transmissions up to 100 Kt; (3) increase of the average
intensity of TV signals by 500 times; (4) use of the area
surrounding area; (5) the exchange between Thailand and other
foreign countries by means of radio relay and television,
filming and observation; (6) most interesting developments
either from the aspect of the science or technology.
After the completion of the first stage, Thailand
will divide into states, the first state will be the capital,
that is, a large building for similar research, that is,
that can later be used for transmitting signals, etc.

Card 1 of 2

1. The Soviet Union has been engaged in a number of activities which may be described as "intelligence operations" or "espionage". These include the collection of information on foreign political parties and governments, foreign economic conditions, foreign military strength, foreign industrial development, etc. The Soviet Union has also been engaged in the preparation of plans for the defense of the Soviet Union against possible attacks by foreign countries. This includes the preparation of plans for the defense of the Soviet Union against possible attacks by foreign countries. The Soviet Union has also been engaged in the preparation of plans for the defense of the Soviet Union against possible attacks by foreign countries.

2. CIA ID: **USSR-INT-1** **Ministry of Foreign Affairs Planning Institute of the USSR Ministry of Foreign Affairs**

3. CIA ID: **USSR-INT-2** **Ministry of Foreign Affairs Planning Institute of the USSR Ministry of Foreign Affairs**

GOVALLO, I.I.; OSTROVSKIY, I.V.

Model plans of television centers. Tekh. kino i telev. so. 8:19-24
Ag '58. (MIRA 11:8)

1. Gosudarstvennyy soyuznyy proyektornyy institut Ministerstva
svyazi SSSR.

(Television stations)